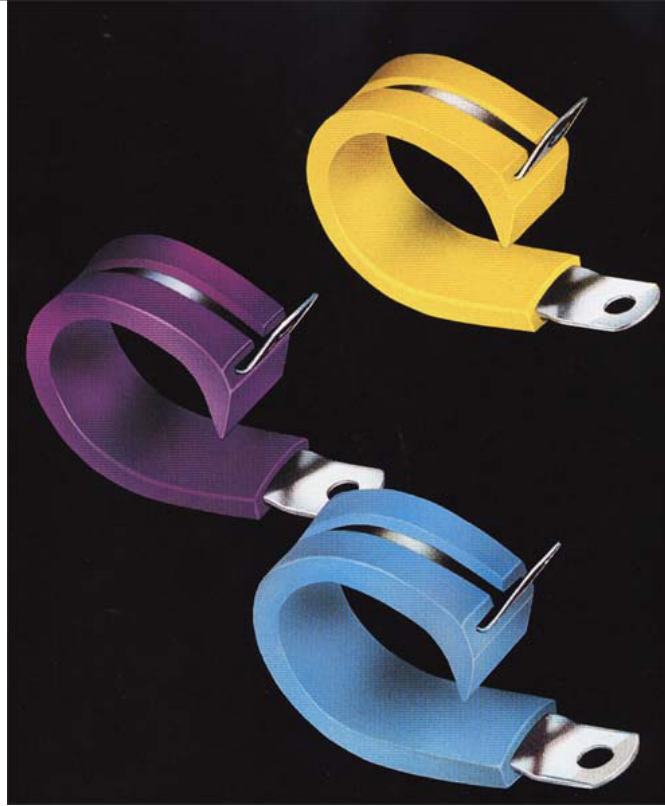


Bulletin MIL-DTL-85052 (QPL): Clamp Single Loop Style



Part Numbering System

ex: TA026-0001-16NB = 17-7PH stainless steel band, heat treated to condition TH1100 per AMS2759/3, ball burnished and passivated (TA Code PH), yellow NITRILE cushion (TA Code NB) with molded contoured wedge for 1" diameter tube.

Breakdown:

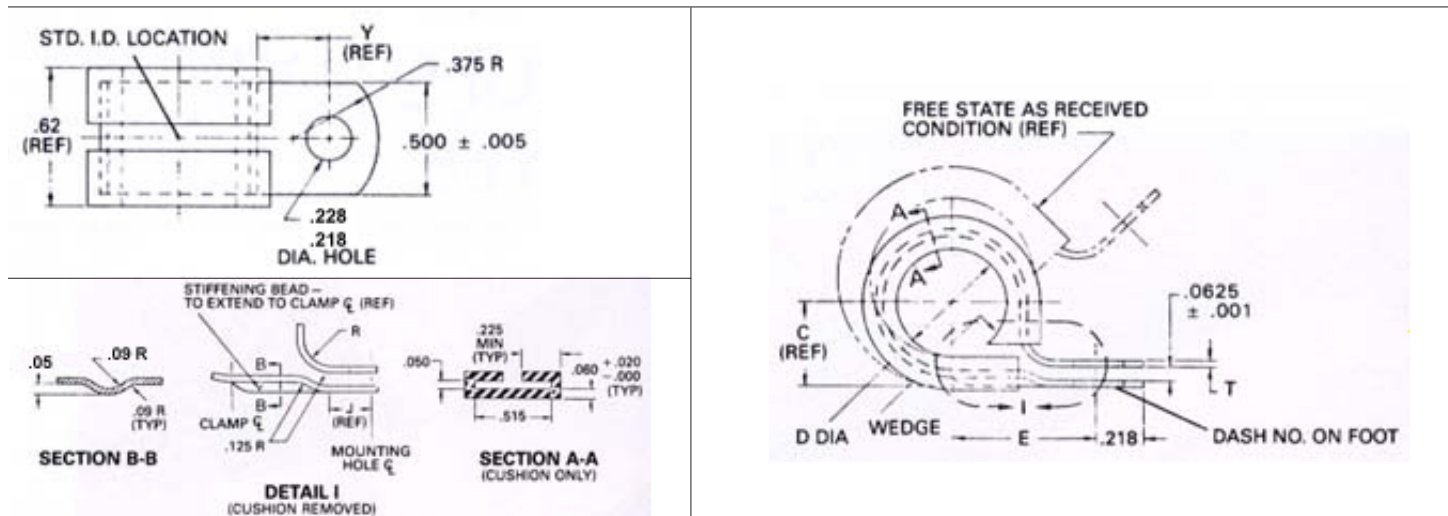
Part number shown below is separated for clarity. When ordering, do not show spaces.

TA026-0001 16 NB

TA026-0001 = Basic Part Number
16 = Diameter in 1/16" increments (Show as a minimum of 2 digits)
NB = Cushion Code (See Bulletin 120)
NB = Yellow
EP = Purple
HC = Light Blue

For specification data on metal rubber cushions, see TA Bulletin 120.

Dimensions



	Nominal Diameter expressed in 1/16" increments	Mtg. Dim. D/2+	Metal Gauge	Clear D/2+		Rad		Approx. Weight per 100 Clamps Lbs.
Diagram ID ▶	D	E	T	C	J	R	Y	
Tolerances ▶		+/- .032	Per Spec.	Ref.	Ref.	+/- .010	Ref.	
Part Number								
TA026-0001-02()	.125	.405	.020	.130	-	.090	.325	.95
TA026-0001-03()	.188	.405	.020	.130	-	.090	.325	1.05
TA026-0001-04()	.250	.405	.020	.130	.235	.090	.325	1.15
TA026-0001-05()	.312	.405	.020	.130	.235	.090	.325	1.23
TA026-0001-06()	.375	.405	.020	.130	.235	.090	.325	1.32
TA026-0001-07()	.438	.405	.020	.130	.235	.090	.325	1.43
TA026-0001-08()	.500	.405	.020	.130	.235	.090	.325	1.50
TA026-0001-09()	.562	.460	.030	.140	.256	.125	.368	2.30
TA026-0001-10()	.625	.460	.030	.140	.256	.125	.368	2.50
TA026-0001-11()	.688	.460	.030	.140	.256	.125	.368	2.65
TA026-0001-12()	.750	.460	.030	.140	.256	.125	.368	2.80
TA026-0001-13()	.812	.460	.030	.140	.256	.125	.368	2.91
TA026-0001-14()	.875	.460	.030	.140	.256	.125	.368	3.10
TA026-0001-15()	.938	.460	.030	.140	.256	.125	.368	3.30
TA026-0001-16()	1.000	.460	.030	.140	.256	.125	.368	3.50
TA026-0001-17()	1.062	.470	.040	.150	.262	.125	.370	3.80
TA026-0001-18()	1.125	.470	.040	.150	.262	.125	.370	4.20
TA026-0001-19()	1.188	.470	.040	.150	.262	.125	.370	4.35
TA026-0001-20()	1.250	.470	.040	.150	.262	.125	.370	4.50
TA026-0001-21()	1.312	.470	.040	.150	.262	.125	.370	4.65
TA026-0001-22()	1.375	.470	.040	.150	.262	.125	.370	4.80
TA026-0001-23()	1.438	.470	.040	.150	.262	.125	.370	4.95
TA026-0001-24()	1.500	.470	.040	.150	.262	.125	.370	5.10

Inspection Note: This part is subject to free state variation in the unrestrained position per ANSI Y14.5 Para. 2.7.1.3 and 6.8. This part must be inspected in the restrained position with mandrel of the correct diameter +/- .001 clamped and gap spacer of the nominal gap thickness +/- .001 between clamp feet. In this restrained position band width will be flat within +/- .010 and holes will be in alignment within +/- .010.

Cross Reference

(Specification requires molded full contoured wedge on sizes 06 thru 24 – and stiffening bead on sizes 04 and above)

MIL-DTL-85052 Part Number	TA Equivalent	Cushion Color Code	MIL-DTL-85052 Part Number	TA Equivalent	Cushion Color Code	MIL-DTL-85052 Part Number	TA Equivalent	Cushion Color Code
M85052/1-2	TA026-0001-02NB	Yellow	M85052/3-2	TA026-0001-02HC	Blue	M85052/2-2	TA026-0001-02EP	Purple
M85052/1-3	TA026-0001-03NB	Yellow	M85052/3-3	TA026-0001-03HC	Blue	M85052/2-3	TA026-0001-03EP	Purple
M85052/1-4	TA026-0001-04NB	Yellow	M85052/3-4	TA026-0001-04HC	Blue	M85052/2-4	TA026-0001-04EP	Purple
M85052/1-5	TA026-0001-05NB	Yellow	M85052/3-5	TA026-0001-05HC	Blue	M85052/2-5	TA026-0001-05EP	Purple
M85052/1-6	TA026-0001-06NB	Yellow	M85052/3-6	TA026-0001-06HC	Blue	M85052/2-6	TA026-0001-06EP	Purple
M85052/1-7	TA026-0001-07NB	Yellow	M85052/3-7	TA026-0001-07HC	Blue	M85052/2-7	TA026-0001-07EP	Purple
M85052/1-8	TA026-0001-08NB	Yellow	M85052/3-8	TA026-0001-08HC	Blue	M85052/2-8	TA026-0001-08EP	Purple
M85052/1-9	TA026-0001-09NB	Yellow	M85052/3-9	TA026-0001-09HC	Blue	M85052/2-9	TA026-0001-09EP	Purple
M85052/1-10	TA026-0001-10NB	Yellow	M85052/3-10	TA026-0001-10HC	Blue	M85052/2-10	TA026-0001-10EP	Purple
M85052/1-11	TA026-0001-11NB	Yellow	M85052/3-11	TA026-0001-11HC	Blue	M85052/2-11	TA026-0001-11EP	Purple
M85052/1-12	TA026-0001-12NB	Yellow	M85052/3-12	TA026-0001-12HC	Blue	M85052/2-12	TA026-0001-12EP	Purple
M85052/1-13	TA026-0001-13NB	Yellow	M85052/3-13	TA026-0001-13HC	Blue	M85052/2-13	TA026-0001-13EP	Purple
M85052/1-14	TA026-0001-14NB	Yellow	M85052/3-14	TA026-0001-14HC	Blue	M85052/2-14	TA026-0001-14EP	Purple
M85052/1-15	TA026-0001-15NB	Yellow	M85052/3-15	TA026-0001-15HC	Blue	M85052/2-15	TA026-0001-15EP	Purple
M85052/1-16	TA026-0001-16NB	Yellow	M85052/3-16	TA026-0001-16HC	Blue	M85052/2-16	TA026-0001-16EP	Purple
M85052/1-17	TA026-0001-17NB	Yellow	M85052/3-17	TA026-0001-17HC	Blue	M85052/2-17	TA026-0001-17EP	Purple
M85052/1-18	TA026-0001-18NB	Yellow	M85052/3-18	TA026-0001-18HC	Blue	M85052/2-18	TA026-0001-18EP	Purple
M85052/1-19	TA026-0001-19NB	Yellow	M85052/3-19	TA026-0001-19HC	Blue	M85052/2-19	TA026-0001-19EP	Purple
M85052/1-20	TA026-0001-20NB	Yellow	M85052/3-20	TA026-0001-20HC	Blue	M85052/2-20	TA026-0001-20EP	Purple
M85052/1-21	TA026-0001-21NB	Yellow	M85052/3-21	TA026-0001-21HC	Blue	M85052/2-21	TA026-0001-21EP	Purple
M85052/1-22	TA026-0001-22NB	Yellow	M85052/3-22	TA026-0001-22HC	Blue	M85052/2-22	TA026-0001-22EP	Purple
M85052/1-23	TA026-0001-23NB	Yellow	M85052/3-23	TA026-0001-23HC	Blue	M85052/2-23	TA026-0001-23EP	Purple
M85052/1-24	TA026-0001-24NB	Yellow	M85052/3-24	TA026-0001-24HC	Blue	M85052/2-24	TA026-0001-24EP	Purple

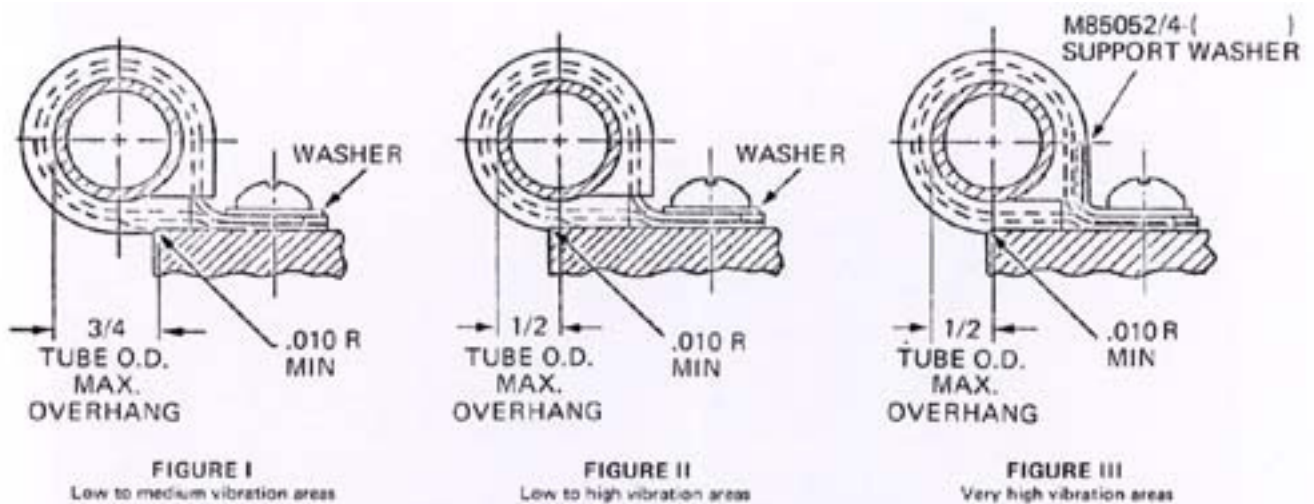
Foot Reinforcing Tab

These washers are intended for use with TA026-0001 clamps in very high vibration applications and as a repair technique in problem areas. Material: 17-7PH corrosion resistant steel per AMS5528 or AMS5529, annealed, Stress relieve and heat treat to TH1100 condition per AMS2759/3 after forming. Finish: Passivate per AMS2700 type 2.

	For use on Clamp Sizes	A	MIL-DTL-85052 Part Number	TA Equivalent
	-10 thru -12	.470	M85052/4-1012	TA029-0001-1012
	-14 thru -16	.530	M85052/4-1416	TA029-0001-1416
	-18 thru -20	.700	M85052/4-1820	TA029-0001-1820
	-22 thru -24	.820	M85052/4-2224	TA029-0001-2224

Recommended Mounting Methods

Mounting methods affect the vibration capabilities of these clamps. Typical mounting methods and vibration ratings are shown in Figures I, II, and III. The method shown in Figure II is recommended whenever possible. The method shown in Figure III should only be used when necessary or as a fix in areas where premature clamp breakage is occurring.



See TA Bulletin 110 for other installation recommendations.